

Amendments to the Abstract:

Please replace the abstract with the following amended paragraph:

ABSTRACT OF THE DISCLOSURE

Provided is a method of cross-paging in mobile communication systems comprises ~~of including~~ transmitting mobile terminal location information of the mobile terminal from a mobile communication system to a heterogeneous mobile communication system after the mobile terminal performs location registration, ~~requesting the~~ The mobile communication system is then requested to page the mobile terminal according to the received information in the heterogeneous mobile communication system and, ~~generating a paging message~~ then the mobile terminal is paged in the mobile communication system and transmitting the generated paging message from the mobile communication system to the mobile terminal. Further provided is a method of cross-paging from mobile communication systems to a mobile terminal comprises ~~of that includes~~ determining whether the mobile terminal has been location-registered in the mobile communication system or in the heterogeneous mobile communication system with reference to pre-registered mobile terminal location information of the mobile terminal when a mobile terminal paging request of the mobile terminal occurs in the heterogeneous mobile communication system, ~~transmitting a~~ A cross-paging message is then transmitted from the the heterogeneous mobile communication system to the mobile communication system if the mobile terminal has been location-registered in the mobile communication system and ~~then transmitting a paging message to the mobile terminal~~ is paged in response to the cross-paging message in the mobile communication system.